

# Enfield Clean Energy Newsletter

## The Committee

The Enfield Clean Energy Committee is a Town Committee made up of Enfield Residents interested in promoting Clean Renewable Energy.

### The team members:

Jeff Myjak—Chair  
Ray Gwozdz - V. Chair  
Virginia Higley  
Steve Moriarty  
Greg Mark  
Doug Lombardi  
Melissa Everett

### LIAISONS :

Town Council:  
Tom Kienzler

Staff:  
Joel Cox

Interested in joining our team? Send a note to [CleanEnergy@Enfield.org](mailto:CleanEnergy@Enfield.org) and we will send you an application.



## Points:

Each Clean Option purchase is worth 1 point. Each Solar or Geothermal system is worth 3 points

When we reach 200 points, we will be 1 step closer to getting a 2kw solar system.

Clean Option Points	<b>175</b>
System Points	<b>78</b>
<b>Total Points</b>	<b>253</b>

## Volume 2, Issue 4

April 2013

## C-PACE — Breakthrough Financing Mechanism

C-PACE (Connecticut Property Assessed Clean Energy) is a program announced last year by the Ct Clean Energy Fund. The C-PACE program is an innovative program that is helping commercial, industrial and multi-family property owners access affordable, long-term financing for smart energy upgrades to their buildings.

C-PACE allows building owners to finance qualifying energy efficiency and clean energy improvements through placing a voluntary assessment on their property tax bill. Property owners pay for the improvements over time through this additional charge on their property tax bill and the repayment obligation transfers automatically to the next owner if the property is

sold. Similar to a sewer tax assessment, capital provided under the C-PACE program is secured by a lien on the property, so low-interest, long-term capital can be raised from the private sector with no government financing required. This arrangement spreads the cost of clean energy improvements – such as energy efficient boilers, upgraded insulation, new windows, or solar installations – over the expected life of the measure.

C-PACE is a proven and effective tool to attract private capital into the clean energy and energy efficiency market. It is initially available to Commercial and Industrial properties, as well as to multifamily properties with five or more units.

The program has already scored successes. In Somers for example, a project to build a 5 megawatt solar farm was made possible because of C-PACE. Traditional financing made it difficult to finance over a 10 to 15 year period. Now the developer is able to finance it over up to 20 years and because the town is willing to collect the money as part of their tax collection, the businesses was able to get an interest rate that made the project a “Go”.

Communities that are involved in C-PACE include: Beacon Falls, Bridgeport, Durham, Hartford, Middletown, Norwalk, Old Saybrook, Simsbury, Southbury, Stamford, Stratford, West Hartford, Westport, Wilton, and Windham. (see C-PACE, pg.2)

## Mattresses — What to do With Them?

At one time, mattresses were just thrown into the landfill. But now, mattresses are being recycled. Companies in Bridgeport, Bloomfield and Framingham, Mass are recycling their parts freeing up landfill space, produces recyclable material that can be sold to carpet pad makers, steel recyclers and textile companies, and even more importantly creating entry level jobs.

Up to 85 percent of a mattress can be recycled. The wood can be chipped up and used as mulch or compost. The metal can be sent to a scrap yard, the polyurethane foam can be used

as carpet padding, and the cotton is used to fill car seats or oil booms. Where Americans replace their mattress every nine years, this will keep millions of mattresses out of landfills.

A typical mattress is made up of 30% metal, 38% cotton, 10% foam and 4 % wool shoddy. Disposing of mattresses cost municipalities between \$10 and \$30.

Working together with National League of Cities, Connecticut Product Stewardship Council, Northeast Re, cycling Council, Northeast Recycling Council and Northeast Recycling Coun-

cil, Ct is putting together legislation (HB 6437).

This bill adds a fee to each mattress sold. Then, every 2 years, the Mattress Stewardship Council will review the fee structure. The fee will cover things like advertising, placing a container at town transfer stations (no charge to drop off). The Council will also lay out goals and monitor them. This should hopefully get many of the mattresses dumped on the side of roads, recycled.

To read the bill in its entirety, go to <http://openstates.org/ct/bills/2013/HB6437/>

## CLEAN ENERGY OPTION FAQ'S

**Q:** My children are interested in Energy Education. Is there a curriculum they can look at?

**A.** Yes. The Clean Energy Fund has developed a program "eeSmarts". They have created course work for every grade level K-12. This curriculum is approved by The State Department of Education and count toward LEED certification. For more information, go to [www.eesmarts.com](http://www.eesmarts.com) or contact The Clean Energy Committee.

**Q.** I have heard that if I have solar panels and the power goes out, my electricity will also go out. Is this true?

**A.** Yes. You are grid tied, meaning that when you are generating electricity that you do not need, it goes back out to the grid. But, if the grid is down, they do not want the electricity back feeding so they shut your power off too.

**Q:** I have a question that may be of interest to your readers. Is there a place where I can send it?

**A.** Yes. Send it to [cleanenergy@enfield.org](mailto:cleanenergy@enfield.org).

[www.enfieldcleanenergy.net](http://www.enfieldcleanenergy.net)

**Enfield  
Clean  
Energy**

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## Johnson Memorial Lighting Upgrade

Johnson Memorial Hospital is just completing a lighting upgrade at the Enfield Surgery Center Campus. The improvements included both interior and exterior retrofit of existing lighting. Most noticeable are the New LED Parking lot and building perimeter lighting.

The contractor, Earthlight Technologies of Ellington, CT provided the turnkey program offered by CL&P.

Michael Posocco, Director of Facilities for J.M.H.; authorized the work for the older buildings located on Hazard Avenue in



Enfield Connecticut. "The lighting upgrade cost was well over 100,000 dollars. We got the entire project completed with no upfront cost, an incentive of over 35% and interest free financing from CL&P. The estimated energy savings will translate to \$20,000 in energy savings annually. The project has a pay back of just over four years. The

savings is virtually covering the cost of the upgrade. The even bigger benefit is the savings in ongoing operating cost."

"We expect that the LED lighting will last up to 10 years without any replacement cost, everyone should take advantage of the program." Michael Posocco, JMH

## C-PACE (continued from Pg 1)

Who is eligible? Connecticut's C-PACE program offers financing to commercial, industrial, and multi-family (residential properties with five or more units) property owners. Non-profit or government owned buildings may be eligible in certain cases. The program is administered by CEFIA. Municipalities interested in extending this type of financing to their property owners must opt-in to the statewide program by passing a resolution and entering into a legal agreement with CEFIA. Upgrades eligible for financing are those that will lower the energy consumption of the building (energy efficiency measures such as boiler upgrades) or enable the building to produce clean energy (such as solar panels). While there is no financing minimum, PACE financing is best suited for capital improvements above \$150,000, due to transaction costs.

CEFIA's C-PACE program requires the property owner to receive consent of the mortgage holder. PACE financing offers an attractive option

for current mortgage holders because the improvements not only free up cash flow from the property (less money spent on energy), but also makes the property more attractive to current and potential tenants and future buyers. Additionally, C-PACE is structured to be non-accelerating, so that in the event of default, only the obligations in arrears, a relatively small proportion of the total financed amount, are due.

Do building owners have to use a CEFIA lender? No, but if the building owner would like their C-PACE deal referred out to CEFIA's qualified capital providers, CEFIA will send the specifics of the deal to its pre-approved C-PACE lenders and allow the building owner to select project lender based on loan terms.

The following list of predominant, long-standing, proven energy efficiency technologies is intended as a reference list for C-PACE applicants. If not included on this list, CEFIA will review proposals and accept them on a case-by-case basis.

High Efficiency Lighting (2 to 3 year simple payback), Variable Speed Drives (3 to 5 year simple payback), HVAC (2 to 8 year simple payback), Motors (3 to 5 year simple payback), Heat Recovery (2 to 4 year simple payback), and Renewable Energy Technology energy derived from: Solar power, Wind Power, Geothermal Power, Fuel Cell, Methane gas from landfills, Low emission advanced renewable energy conversion technologies, run-of-the river hydropower facility, Sustainable Biomass Facility, and a Trash-to-Energy facility.

